

# INTERNATIONAL SEARCH REPORT

Inte      | Application No  
PCT/GB2004/003649

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7    C23C14/04    C23C14/06    B23B51/00    C23C14/04    B23B51/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7    C23C    B23B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 06, 31 July 1995 (1995-07-31) -& JP 07 060521 A (OSAKA DIAMOND IND CO LTD), 7 March 1995 (1995-03-07)	1-14, 16-18, 20-25, 27
Y	abstract; figures 1-3	15, 19, 26
X	PATENT ABSTRACTS OF JAPAN vol. 007, no. 029 (M-191), 5 February 1983 (1983-02-05) & JP 57 184616 A (FUJIKOSHI:KK), 13 November 1982 (1982-11-13) abstract	1, 3-5, 7-10, 14, 17, 19
Y	WO 01/04375 A (DORMER TOOLS LIMITED; LILL, RICHARD, MARK; STEVENSON, ALAN; DICK, JOH) 18 January 2001 (2001-01-18) page 5, line 11 - line 18	19, 26
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

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- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

5 April 2005

Date of mailing of the international search report

21/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Ekhult, H

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>PATENT ABSTRACTS OF JAPAN vol. 015, no. 279 (M-1136), 16 July 1991 (1991-07-16) &amp; JP 03 098709 A (HITACHI TOOL ENG LTD), 24 April 1991 (1991-04-24) abstract</p> <p>-----</p>	15

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Information on patent family members

International Application No  
PCT/GB2004/003649

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 07060521	A	07-03-1995	NONE	
JP 57184616	A	13-11-1982	NONE	
WO 0104375	A	18-01-2001	AT 239806 T AU 756360 B2 AU 5998600 A BR 0012402 A CN 1360642 A DE 60002579 D1 DE 60002579 T2 EP 1194609 A1 WO 0104375 A1 JP 2003504219 T US 6866889 B1	15-05-2003 09-01-2003 30-01-2001 12-03-2002 24-07-2002 12-06-2003 08-04-2004 10-04-2002 18-01-2001 04-02-2003 15-03-2005
JP 03098709	A	24-04-1991	NONE	